

What is claimed is:

5           1.    An improved bale wagon comprising a movable  
rack of tines, the improvement consisting essentially of  
the tines being pivotally adjustable at a tine tilt angle  
measured relative to the bale wagons load bed.

10           2.    The bale wagon of claim 1 wherein the tines  
may be adjusted to rest at any of several positions, which  
positions reduce the tine tilt angle by increments of about  
1.5° to about 2°.

15           3.    The bale wagon of claim 1 wherein the  
adjustable tines dictate variable angles at which stacks of  
bales are unloaded.

20           4.    The bale wagon of claim 1 wherein the rack  
of tines comprises a crossbar and brackets to receive the  
tines in pivotal engagement to the crossbar.

25           5.    The bale wagon of claim 4 wherein the  
brackets include multiple positions of tilt for each tine,  
allowing adjustment at between tilt angles of about 90° and  
30   about 84°.

6. The bale wagon of claim 4 wherein the tilt angles are selected from the group consisting of  $89.5^{\circ}$ ,  $87.5^{\circ}$ ,  $86^{\circ}$ , and  $84.5^{\circ}$ .

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7. The bale wagon of claim 5 further comprising a bolt, and holes in each bracket to allow controlling the tilt angle by moving the bolt from one hole to another.

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8. A method for unloading tiers of stacked bales from a loaded bale wagon, said method comprising, unloading a first load of bales to lean at an angle corresponding to a first tilt angle less than  $90^{\circ}$ , and  
15 then, against said, first tilt angle, unloading a second load bales from the same wagon at a different tilt angle derived from pivotally adjusting tines on said bale wagon.